

1296

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30-045-26464

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC. Location: Unit F Sec. 22 Twp 28 Rng 9

Name of Well/Wells or Pipeline Serviced ANCOCK #3A

cps 1905w

Elevation 6165' Completion Date 11/6/87 Total Depth 390' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF 8" PVC SURFACE CASING

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 40', 100' - 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 355', 345', 335', 325', 265', 255', 245', 235', 225', 170'

Depths vent pipes placed: 383'

Vent pipe perforations: 340'

Remarks: gb #1

RECEIVED
MAY 31 1991.

OIL CON. DIV

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

*D. Allen
General Contractor*

Drilling Log (Attach Hereto)

T.E.G.

Completion Date 11/6/87

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check						
1905-W	HANCOCK #3A		.78V N.	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad						
Location: <u>AN 22-28-9</u>	Anode Size: <u>2" X .60"</u>	Anode Type: <u>DURION</u>	Size Bit: <u>6 3/4"</u>							
Depth Drilled: <u>390'</u>	Depth Logged: <u>383'</u>	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used						
Anode Depth	# 1 <u>355'</u>	# 2 <u>345'</u>	# 3 <u>335'</u>	# 4 <u>325'</u>	# 5 <u>265'</u>	# 6 <u>255'</u>	# 7 <u>245'</u>	# 8 <u>235'</u>	# 9 <u>225'</u>	# 10 <u>170'</u>
Anode Output (Amps)	# 1 <u>4.3</u>	# 2 <u>4.5</u>	# 3 <u>4.8</u>	# 4 <u>5.4</u>	# 5 <u>5.4</u>	# 6 <u>6.3</u>	# 7 <u>6.1</u>	# 8 <u>6.2</u>	# 9 <u>5.7</u>	# 10 <u>6.3</u>
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance	Volts <u>11.98</u>		Amps <u>26.7</u>		Ohms <u>.45</u>		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

Remarks: Driller said WATER AT 40', could NOT Blow WATER out of Hole. More WATER FROM 100'-140'. (Took WATER SAMPLE. LOST CIRCULATION AT 220', GOT CIRCULATION BACK NEXT A.M. SET 20' of 8" P.V.C. SURFACE CASING. 1 Hr. SETTING TIME. INSTALLED 383' of 1" P.V.C. VENT PIPE PERFORATED 340'.

G.B. \$4399.00

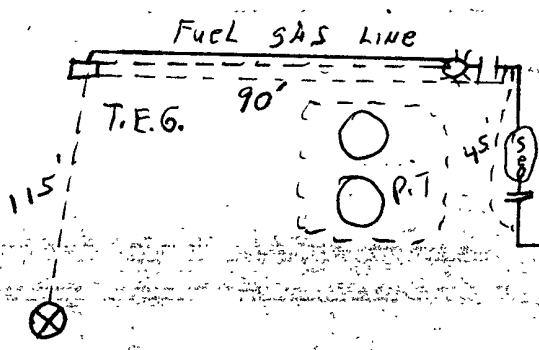
Rectifier Size: — V — A T.E.G.
 Addn'l Depth: —
 Depth Credit: -117' ✓ — 468.00 ✓
 Extra. Cable: 130' ✓ 26.00 ✓
 Ditch & 1 Cable: 250' 175.00 ✓
 Ditch & 2 Cable: —
 25' Meter Pole: —
 20' Meter Pole: —
 10' Stub Pole: —
 Junction Box: 1 269.90 ✓
 20' of 8" P.V.C. CASING. 8,000.40
 1 Hr. CASING TIME AT \$125.00/Hr. 125.00

All Construction Completed

J.E. Stille
(Signature)

\$4626.90

269.90 ✓ TAX 231.35
 8,000.40 TOTAL \$4858.25
 125.00



6165

CATHODIC PROTECTION SERVICES
WELL TYPE GROUNDBED DATA

DATA SHEET NO. 1062

COMPANY MERIDIAN OIL CO. JOB No. 13121 DATE 11-6-87

WELL: HANCOCK #38 PIPELINE:

LOCATION: SEC 22 TWP. 28 RGE. 9 CO SASAW STATE WVA

ELEV. _____ FT: ROTARY 383' FT: CABLE TOOL -0- FT: CASING 20'-8" PVC

GROUNDBED: DEPTH 383' FT. DIA. 6 3/4 IN. GAS _____ LBS. ANODES 10-21 HR. RIG TIME

DEPTH, FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO. COKE	WITH COKE	DEPTH TOP OF ANODES	
		E	I	R			NO.	FT.
5	FIRST WATER AT 100' - 140' SAND (5GPM)							
10								
15								
20								
25								
30								
35								
40								
45								
50								
55	SANDY SHALE							
60								
65								
70								
75								
80								
85								
90								
95								
100								
5	SHALE		1.4					
10			1.0					
15			1.1					
20			1.3					
25			1.9					
30			1.3					
35			0.7					
40			0.6					
45			0.6					
50			0.7					
55	SANDY SHALE (LOST CIRCULATION)		0.8					
60			1.1					
65			2.2					
70			2.3					
75			3.3		4.5	6.3	110	170
80			3.1					
85			1.6					
90			1.6					
95			2.0					
100			2.2					
5	SHALE		2.1					
10			2.1					
15			2.7					

GROUNDBED RESISTANCE: (1) VOLTS 11.98 - AMPS 26.7 - 0.45 OHMS

(2) VIBROGROUND _____ OHMS

CATHODIC PROTECTION SERVICES
WELL TYPE GROUNDBED DATA

DATA SHEET NO. 2062

COMPANY _____ JOB No. _____ DATE: _____

WELL: HANCOCK #3A PIPELINE: _____

LOCATION: SEC _____ TWP _____ RGE _____ CO _____ STATE _____

ELEV. _____ FT: ROTARY _____ FT: CABLE TOOL _____ FT: CASING _____

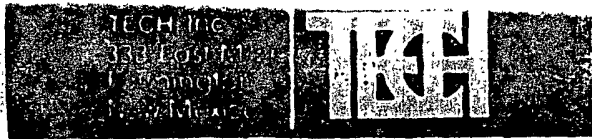
GROUNDBED: DEPTH _____ FT. DIA _____ IN. GAB _____ LBS. ANODES _____

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	DEPTH TOP OF ANODES			
		E	I	R			NO.	FT.		
20	SHALE		2.6							
25			2.9		3.6	5.3	9	225		
30			2.6							
35			3.0		4.0	6.2	8	235		
40			3.3							
45			3.2		4.3	6.1	7	245		
50			3.1							
55			3.1		4.1	6.3	6	255		
60			3.0							
65			2.7		3.3	5.4	5	265		
70			2.4							
75			2.4							
80			1.9							
85			1.4							
90			1.6							
95			1.6							
300		SAND		1.6						
5				1.6						
10				1.6						
15				1.3						
20				1.3						
25				2.9		3.9	5.4	4	325	
30				3.0						
35			SANDY SHALE		2.7		3.2	4.8	3	335
40					2.7					
45				2.8		3.6	4.5	2	345	
50		2.8								
55		2.8			3.7	4.3	1	355		
60		2.7								
65		2.2								
70		1.6								
75		1.3								
80										
85										
90										
95										
400										
5										
10										
15										
20										
25										
30										

GROUNDBED RESISTANCE: (1) VOLTS _____ - AMPS _____ - OHMS

(2) VIBROGROUND _____ OHMS

T.D. 383



CAS 190500

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 1	Date Sampled 11-5-87	
Field BLANCO	Legal Description NW 22-28-9		County or Parish San Juan	State N.M.
Lease or Unit	Well HANCOCK # 3A	Depth 120'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point 120' Ground beel	Sampled By JS	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	3054	133
Calcium, Ca	340	17
Magnesium, Mg	53	4.3
Barium, Ba		

ANIONS

Chloride, Cl	64	1.8
Sulfate, SO ₄	7300	150
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	142	2.3

OTHER PROPERTIES

pH	7.4
Specific Gravity, 60/60 F.	1.0089
Resistivity (ohm-meters) 72° F.	1.39

Total Dissolved Solids (calc.) 11,000

Iron, Fe (total) _____
Sulfide, as H₂S 0

REMARKS & RECOMMENDATIONS:

